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9 February 2004

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322782 U.S. PTO  
10/773235  
020904

**Mail Stop : Patent Application**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Attorney Docket: P56972

Submitted herewith is the following patent application:

**Inventor:** 1) KI-WOOK KIM

**Title:** APPARATUS AND METHOD FOR OPERATING AND  
MAINTAINING PRIVATE MOBILE COMMUNICATION  
SERVICE SYSTEM USING IP NETWORK

Please find attached hereto an application for patent which includes: Specification and Abstract, Claims, formal drawings, original Declaration and Power of Attorney, Information Disclosure Statement, an Assignment and certified copy of foreign priority document identified below:

Verified Showing of Small Entity Status: NO

Drawings: Formal drawings, 8 sheets, Figures 1 through 8

Claim of priority under 35 U.S.C. §119: YES

\*\* The Republic of Korea Application No. 2003-8633 filed on 11 February 2003.

**FEE (see formula below): CHECKS ARE ENCLOSED (#45269 and #45270)**

**Basic Fee** \$385/770 ..... \$770.00

**Additional Fees:**

Total number of claims in excess of 20: \_\_\_ times \$9/18 ..... \$0.00

Number of independent claims in excess of 3: 1 times \$43/86 ..... \$86.00

Multiple Dependent Claims \$145/290 ..... \$0.00

An Assignment is likewise enclosed: Recording Fee \$40 ..... \$40.00

Filing Non-English specification ..... \$0.00

**TOTAL FEES FOR THE ABOVE APPLICATION** ..... \$896.00

**Inventor:** 1) KI-WOOK KIM

**Title:** APPARATUS AND METHOD FOR OPERATING AND  
MAINTAINING PRIVATE MOBILE COMMUNICATION  
SERVICE SYSTEM USING IP NETWORK


Assistant Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the filing fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

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Respectfully submitted,



Robert E. Bushnell  
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REB/rfc

13281 U.S. PTO

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**FEE TRANSMITTAL**

Patent fees are subject to annual revision.

**Complete If Known**

Application Number	to be assigned
Filing Date	9 February 2004
First Named Inventor	KI-WOOK KIM
Examiner Name	to be assigned
Group/Art Unit	to be assigned

TOTAL AMOUNT OF PAYMENT **(\$ 896.00)**

Attorney Docket No. P56972

**METHOD OF PAYMENT (check one)****FEE CALCULATION (continued)**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

**3. ADDITIONAL FEES**Deposit Account Number: **02-4943**  
Deposit Account Number: \_\_\_\_\_

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge-late filing fee or oath	\$
1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet	\$
1053	130	1053	130	Non-English specification	\$
1812	2,520	1812	2,520	For filing a request for reexamination	\$
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	\$
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	\$
1251	110	2251	55	Extension for reply within first month	\$
1252	420	2252	210	Extension for reply within second month	\$
1253	950	2253	475	Extension for reply within third month	\$
1254	1,480	2254	740	Extension for reply within fourth month	\$
1255	2,010	2255	1,005	Extension for reply within fifth month	\$
1401	330	2401	165	Notice of Appeal	\$
1402	330	2402	165	Filing a brief in support of an appeal	\$
1403	290	2403	145	Request for oral hearing	\$
1451	1,510	1451	1,510	Petition to institute a public use proceeding	\$
1452	110	2452	55	Petition to revive - unavoidable	\$
1453	1,330	2453	665	Petition to revive - unintentional	\$
1501	1,330	2501	665	Utility issue fee (or reissue)	\$
1502	480	2502	240	Design issue fee	\$
1503	640	2503	320	Plant issue fee	\$
1460	130	1460	130	Petitions to the Commissioner	\$
1807	50	1807	50	Processing fee for provisional applications	\$
1806	180	1806	180	Submission of Information Disclosure Statement	\$
8021	40	8021	40	Recording each patent assignment per property (Times number of properties)	\$ 40.00
1809	770	2809	385	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$
1810	770	2810	385	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$
1801	770	2801	385	Request for Continued Examination (RCE)	\$
Other Fee (specify) _____					\$
Other Fee (specify) _____					\$

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.☐ Applicant claims small entity status. See 37 CFR 1.27**2. Payment Enclosed:  
(CHECK #45269 & #45270)**☒ Check ☐ Credit Card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	\$ 770.00
1002	340	2002	170	Design filing fee	\$
1003	530	2003	265	Plant filing fee	\$
1004	770	2004	385	Reissue filing fee	\$
1005	160	2005	80	Provisional filing fee	\$
<b>SUBTOTAL (1)</b>				<b>(\$ 770.00)</b>	

**2. EXTRA CLAIM FEES**

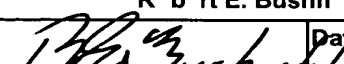
			Extra Claims		Fee from below		Fee Paid
Total claims	20	-20** =	0	x	18.00	=	0.00
Independent Claims	4	-3** =	1	x	86.00	=	86.00

Multiple Dependent =

\*\* or number previously paid, if greater; For Reissues, see below

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1201	86	2201	43	Independent claims in excess of 3
1202	18	2202	9	Claims in excess of 20
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) (\$ 86.00)****\*\* Reduced by Basic Filing Fee Paid****SUBTOTAL (3) \$40.00****SUBMITTED BY****Complete (if applicable)**

Typed or Printed Name	Robert E. Bushnell II, Esq.		Reg. Number	27,774
Signature		Date	9 February 2004	Deposit Account User ID

REB/rfc

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